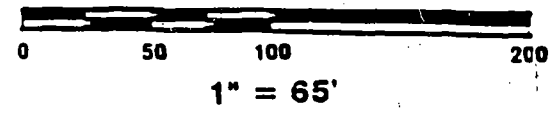


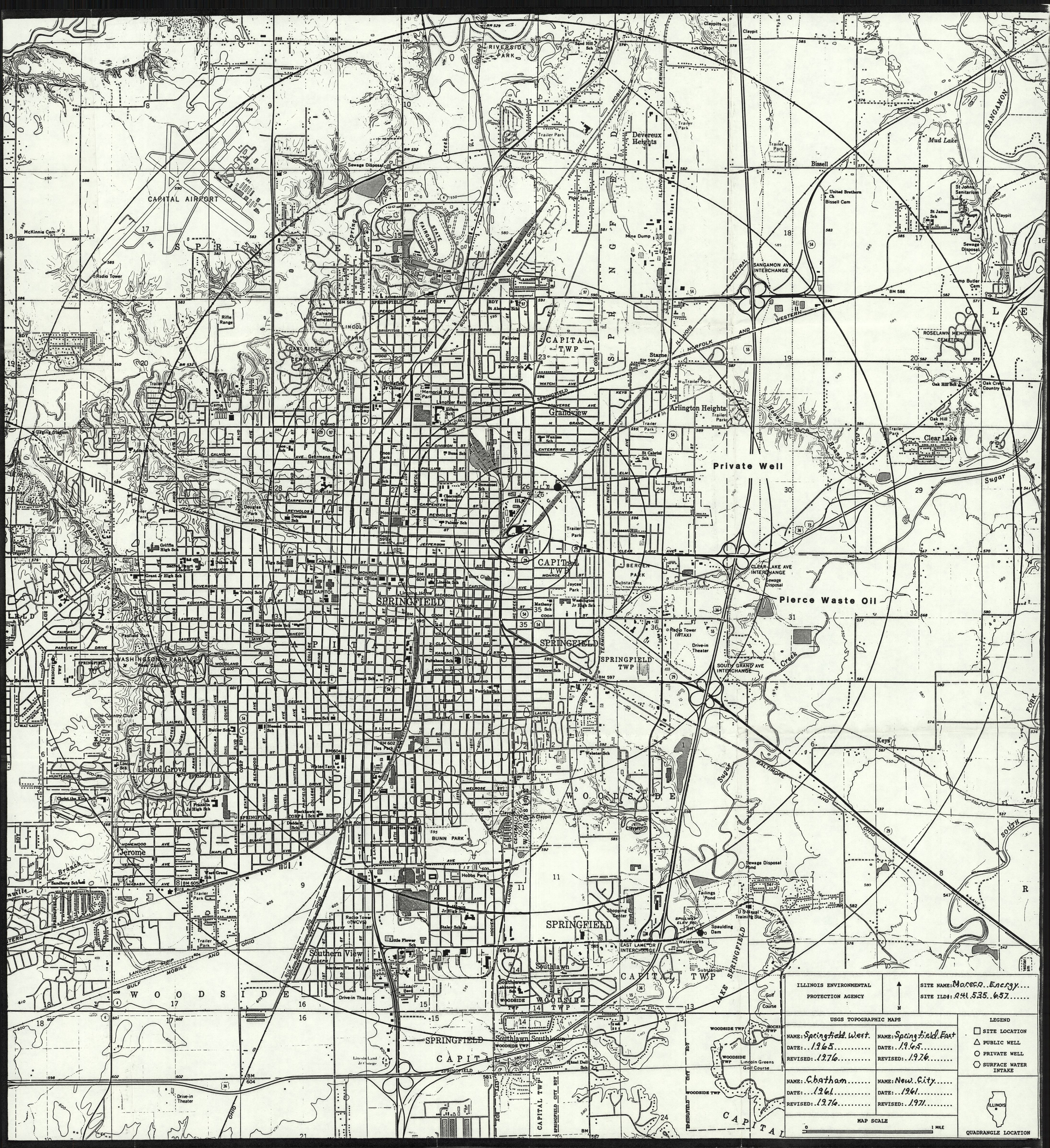
LEGEND

- D. A. - DRUM AREA
- S. B. - STORAGE BUILDINGS
- ⊕ - MONITORING WELLS
- - WASTE/DIKED AREAS

SCALE



QUADRANGLE LOCATION		ecology and environment, inc. Technical Assistance Team Region V	
		TITLE	FIGURE #
		SITE FEATURES MAP	1
		SITE	PIERCE WASTE OIL SERVICE INC.
CITY		STATE	PAN
SPRINGFIELD		ILLINOIS	EIL0167FAA



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY		SITE NAME: <i>Moreco Energy</i> ...	
		SITE ID#: <i>Q41.535.657</i>	
USGS TOPOGRAPHIC MAPS			
NAME: <i>Springfield West</i>		NAME: <i>Springfield East</i>	
DATE: <i>1965</i>		DATE: <i>1965</i>	
REVISED: <i>1976</i>		REVISED: <i>1976</i>	
NAME: <i>Chatham</i>		NAME: <i>New City</i>	
DATE: <i>1961</i>		DATE: <i>1961</i>	
REVISED: <i>1976</i>		REVISED: <i>1971</i>	
MAP SCALE 1 MILE			
LEGEND			
□ SITE LOCATION			
△ PUBLIC WELL			
○ PRIVATE WELL			
○ SURFACE WATER INTAKE			
ILLINOIS			
QUADRANGLE LOCATION			

Attention was brought to the site when heavy rains during the month of July 1992 caused the tank containment areas on-site to overflow, spilling their contents onto the ground. Eventually the spillage migrated off-site and was noted by Greg Dunn of the Illinois Environmental Protection Agency (IEPA) during a routine surveillance on July 30, 1992. IEPA notified U.S. EPA On-Scene Coordinator Charlie Gebien of the off-site migration. OSC Gebien then notified a representative of the potentially responsible party (PRP), Frank Lappin, and apprised him of the situation. Lappin agreed to provide action to correct the situation.

On the same date, at approximately 1930 hours, TAT member (TATM) Karen Rydzewski arrived on-site. OSC Gebien, IEPA representative Greg Dunn, and two OH Materials (OHM) crew members were already on-site. At approximately 2000 hours, Frank Lappin arrived on-site. With Lappin was James McClelland from Best Environmental with a 3,000-gallon-capacity vacuum truck. The OHM crew provided lights for the PRP and then left site at approximately 2240 hours.

TATM Rydzewski performed air monitoring using the HNu photoionization detector with a 10.2 eV probe and an MSA 260 combination gas indicator. After calibration of the instruments, TAT obtained background readings of 0 parts per million (ppm) on the HNu, and 20.8% O₂ and 0% LEL on the MSA 260. Readings obtained during the clean-up operations were at background levels, with the exception of readings taken around the vacuum truck during the time it was blowing out any remaining liquids. These readings revealed levels of 2 to 4 ppm on the HNu.

At approximately 2030 hours Lappin directed McClelland to use the vacuum truck to empty the containment area on the south side of the site which surrounds tanks numbered 79, 80, 81, 82, and 83. The oil and water emptied from this area was placed in tank #81. Two loads of 3,000 gallons each were emptied from this containment area. After this tank containment area was drained, Lappin directed McClelland to empty the sump area on the north side of the site next to the clay/oil mixer. Approximately 3,000 gallons were pumped from this area and placed into tank #79. The last area to be drained was the sump next to tank #70 on the northeast side of the site. This area also contained approximately 3,000 gallons, which was placed in tank #79. Pumping of the three areas was completed at approximately 2415 hours. After pumping was completed, Lappin collected a sample from tank #79 and tank #81. OSC Gebien declined to split samples with Lappin. At 2430 Lappin left site. After decontaminating equipment and securing the site, OSC Gebien, TATM Rydzewski, and IEPA representative Greg Dunn left site.

On July 31, 1992, at 0930 hours, OSC Gebien and TATM Rydzewski returned to site to observe the clean-up operations and areas of off-site migration during daylight hours. At this time OSC Gebien determined that soil samples would be collected from the areas where possible contaminants had migrated off-site. See

Figure 2 for Sample Locations Map. Four composite soil samples were collected and sent for analysis for Priority Pollutant metals, PCBs, and volatile organic compounds to IEA, Schaumburg, Illinois. OSC Gebien and TAT Rydzewski left site at approximately 1045 hours after collecting the samples.

Sample results indicated the presence of toluene at concentrations of 71 parts per billion (ppb) and various metals such as arsenic (7.6 ppm), cadmium (3.3 ppm), chromium (23 ppm), copper (230 ppm), lead (430 ppm), nickel (190 ppm), and zinc (650 ppm). Analytical results were undetect for PCBs.

Should you have any questions, please feel free to contact this office.

Sincerely,

A handwritten signature in cursive script, appearing to read "Karen Rydzewski".

Karen Rydzewski, TAT Member

Tom Kouris, TAT Leader

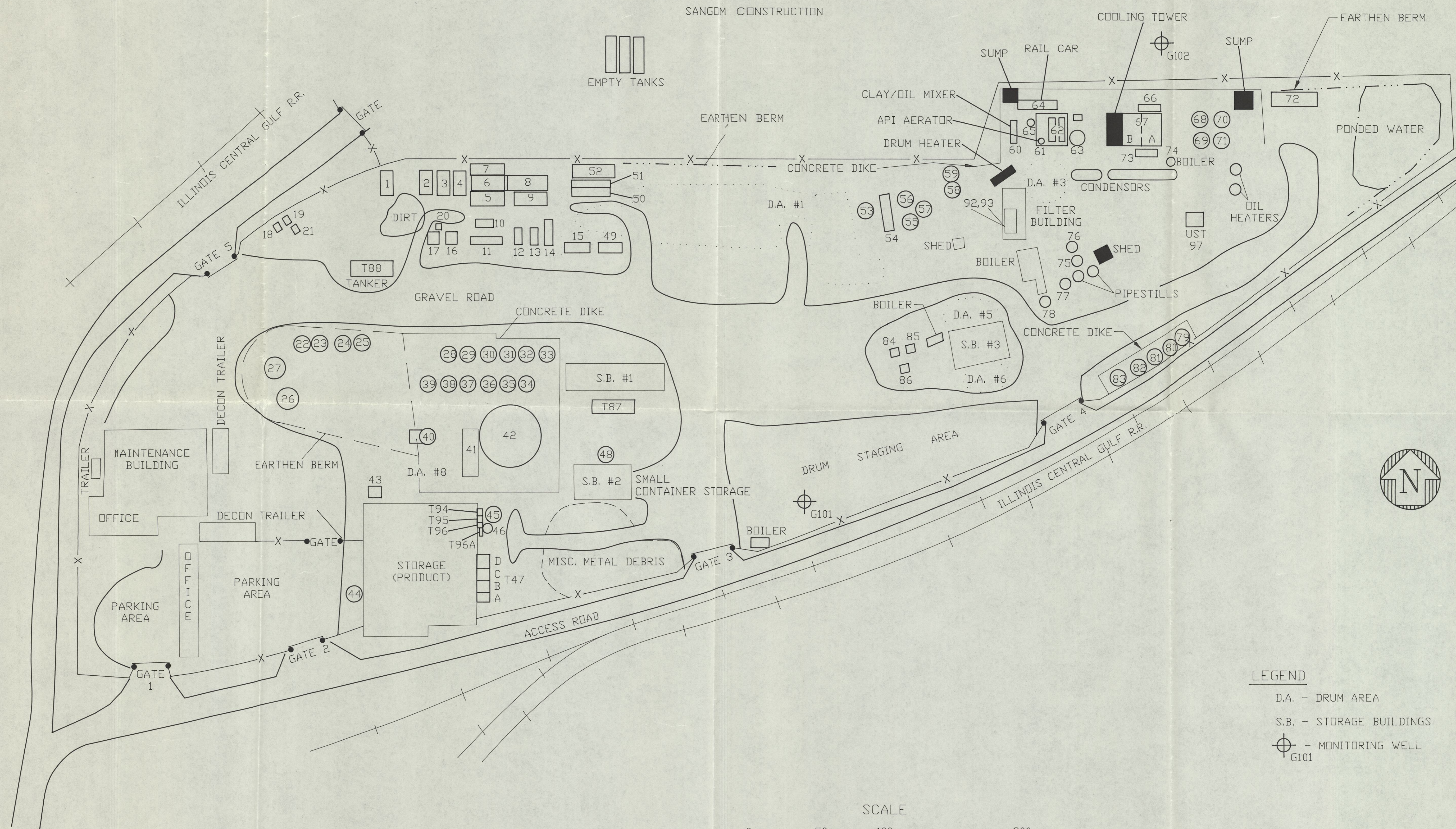
cc: Charlie Gebien, OSC

Attachments

A: Photolog

B: Analytical Data Package

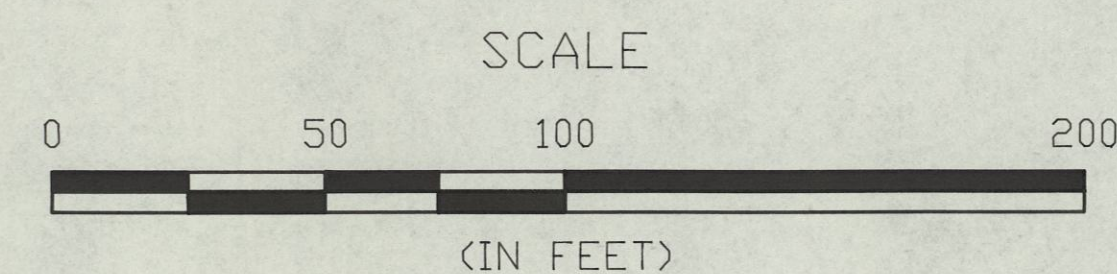
CAPITOL CITY READY MIX CONTRACTOR LUMBER COMPANY



G103

LEGEND

- D.A. - DRUM AREA
- S.B. - STORAGE BUILDINGS
- ⊕ - MONITORING WELL

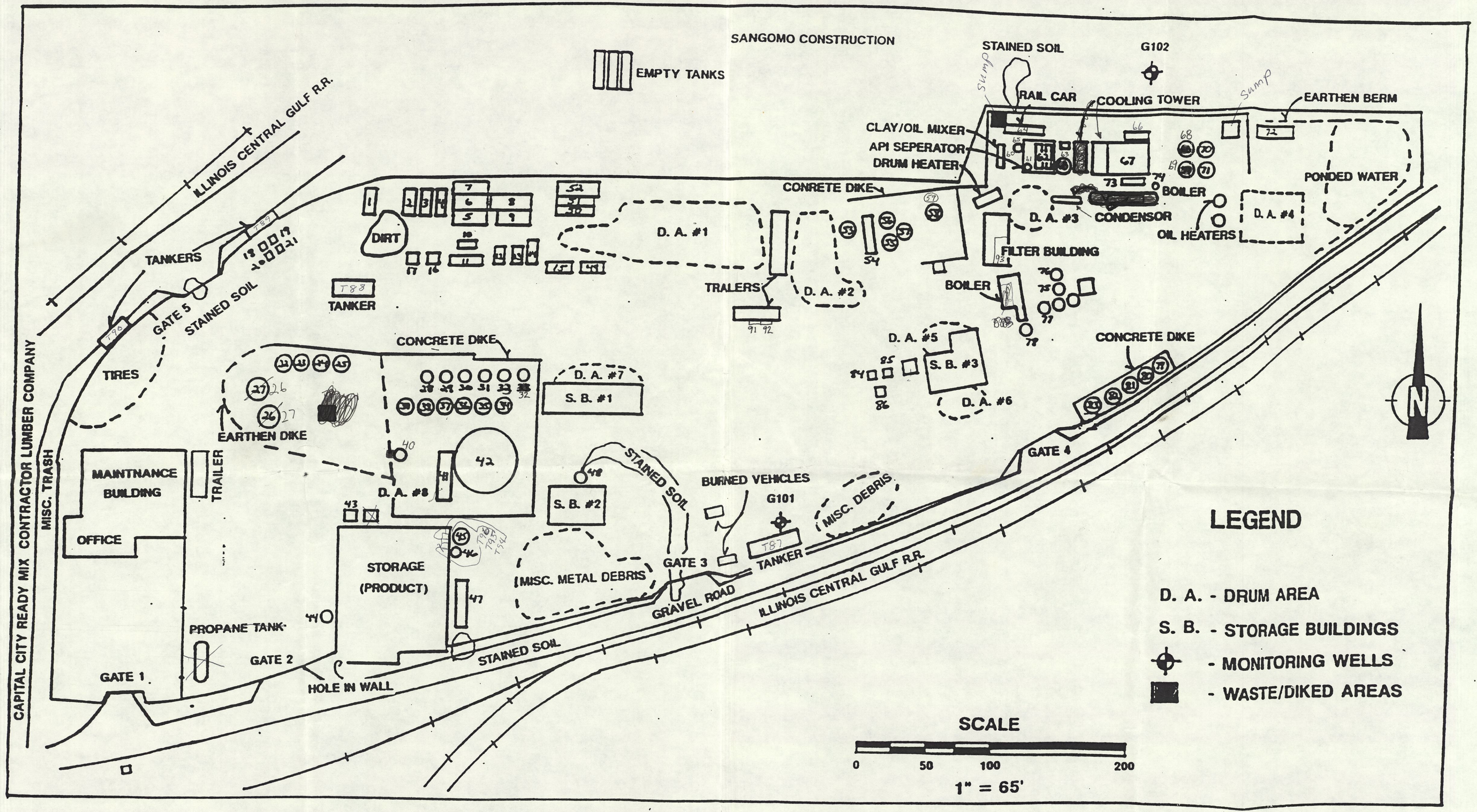


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DESIGNED BY: J. NORDINE	CHECKED BY: J. NORDINE
DRAWN BY: B. KROULDIS	APPROVED BY: J. NORDINE

SITE
FEATURES
MAP

PIERCE WASTE OIL SERVICE INC.		SPRINGFIELD, IL.		
SCALE SEE ABOVE	DATE ISSUED FEB 93	C.A.D. FILE NO. ZT2PIERCEFIG2A	DRAWING NO. FIGURE 2	REV.

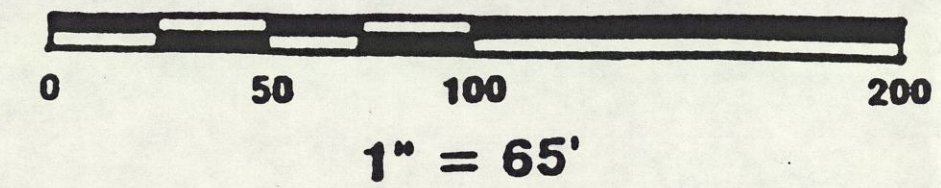
NO.	DATE	DWN	APP'D	DESCRIPTION
REVISIONS				



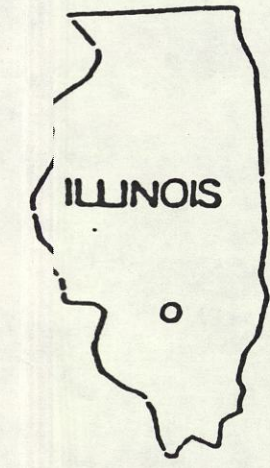
LEGEND

- D. A. - DRUM AREA
- S. B. - STORAGE BUILDINGS
- ⊕ - MONITORING WELLS
- - WASTE/DIKED AREAS

SCALE



QUADRANGLE LOCATION

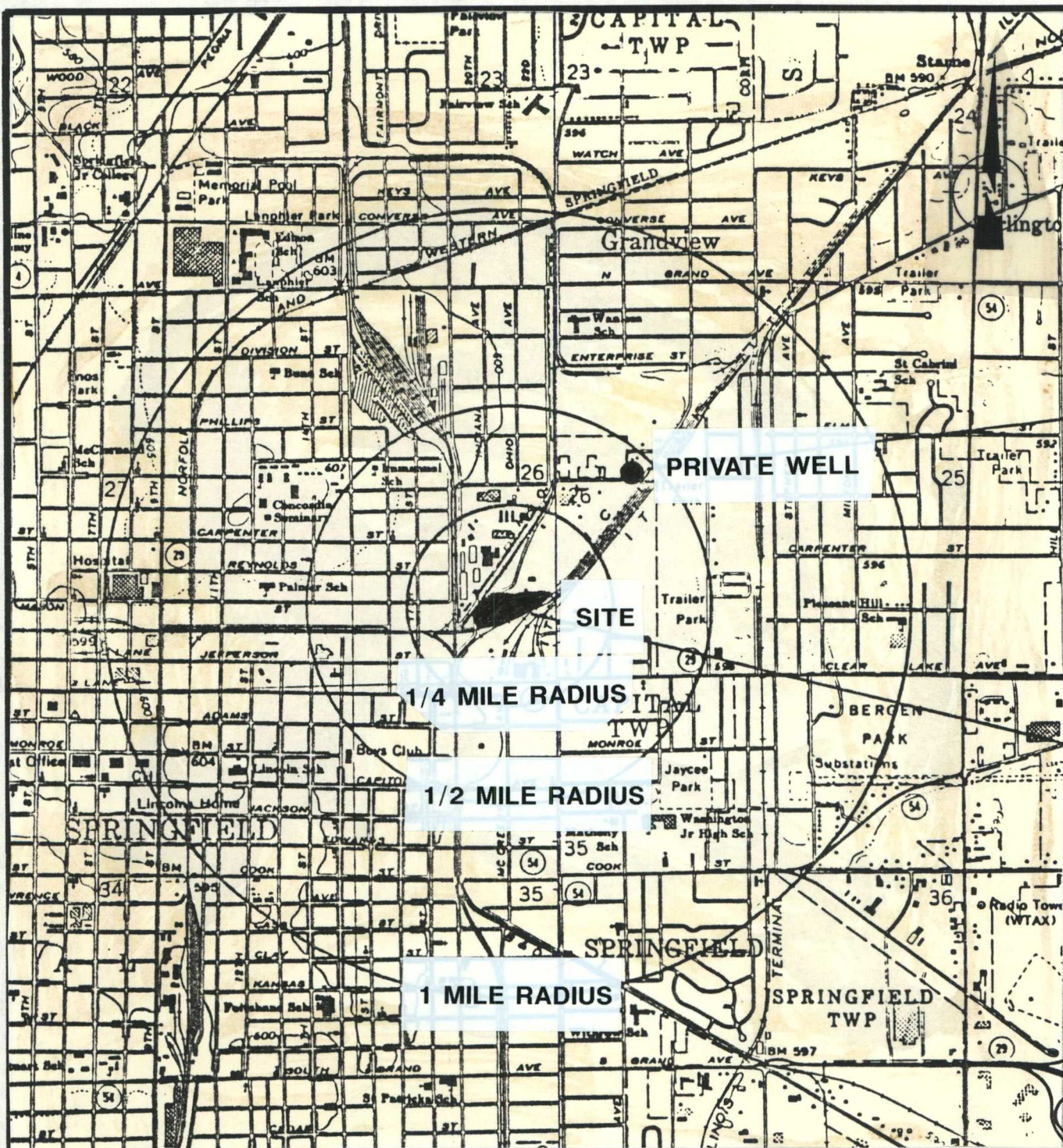


ecology and environment, Inc.
Technical Assistance Team
Region V

TITLE	SITE FEATURES MAP	FIGURE #	2
SITE	PIERCE WASTE OIL SERVICE INC.	SCALE	1" = 65'
CITY	SPRINGFIELD	STATE	ILLINOIS

Illinois Environmental Protection Agency

SITE FEATURES MAP



ecology and environment, inc.

Technical Assistance Team
Region V

TITLE	SITE LOCATION MAP		FIGURE #	1
SITE	PIERCE WASTE OIL SERVICE INC.		SCALE	1:24,000
CITY	SPRINGFIELD	STATE	ILLINOIS	PAN
				EIL0167SAA

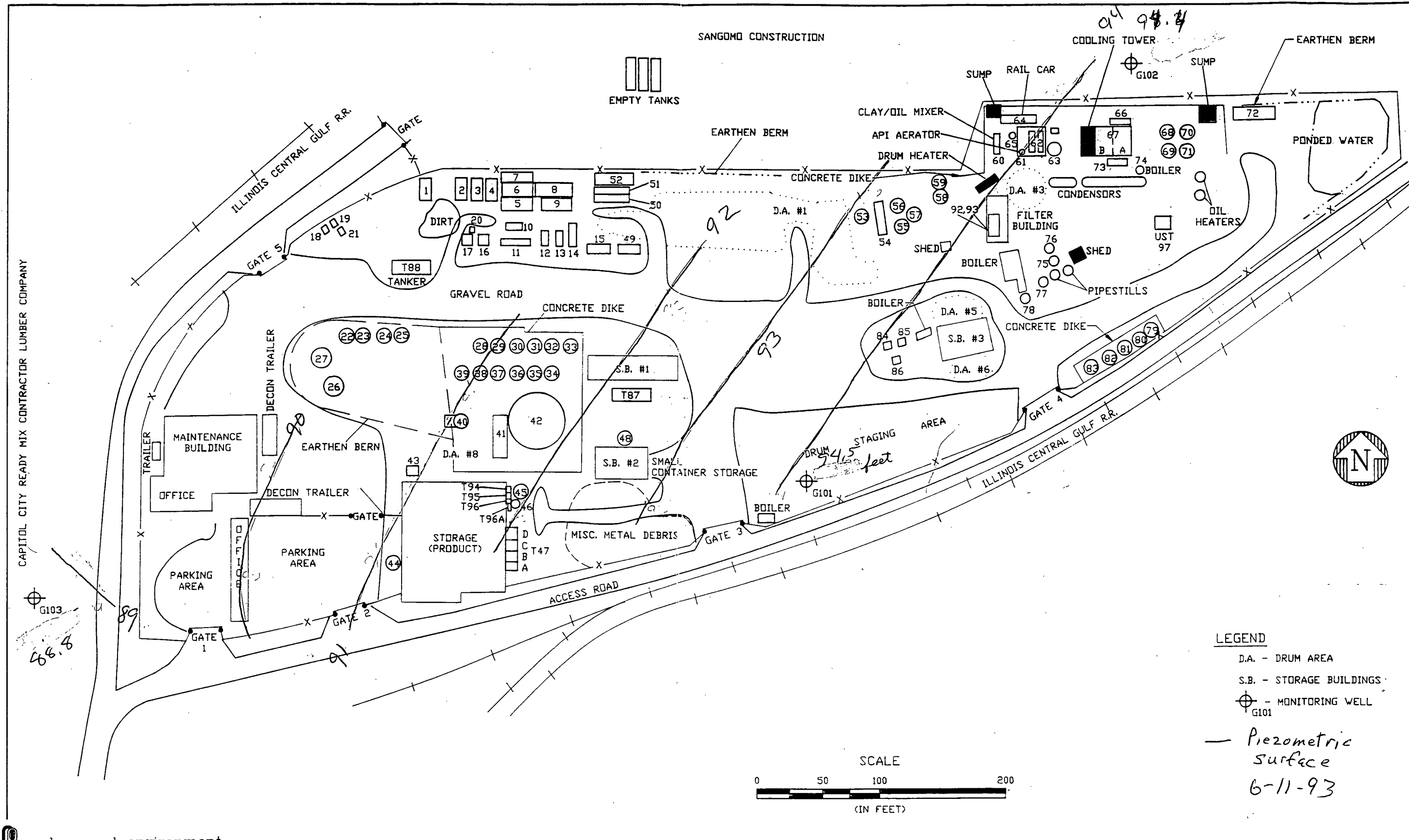


FIGURE 2

SITE FEATURES MAP
PIERCE WASTE OIL
SERVICE INC.
SPRINGFIELD, IL.

6-11-93

IEPA

9:30 am -

G103 - West side of Pierce
Bcks D.

Greg Damm

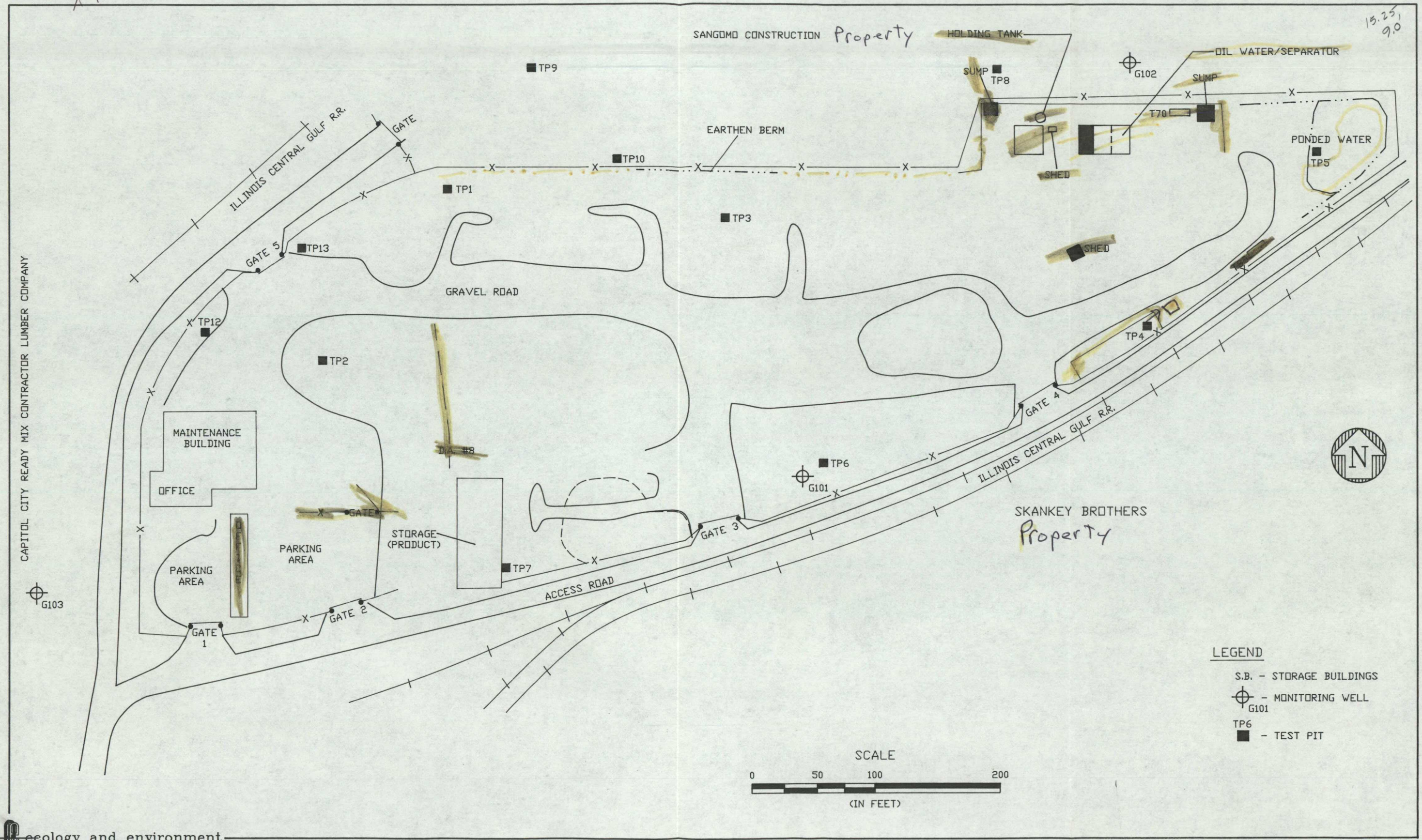
$$\begin{array}{r}
 99.11 \\
 100.11 \\
 \hline
 3.125 \text{ meters} \times 3.3 = 10.3125 \text{ feet} \\
 \hline
 88.80
 \end{array}$$

G1018 Middle of S. 4 100.

$$\begin{array}{r}
 1.66 \text{ meters} \times 3.3 = 5.478 \text{ feet} \\
 \hline
 94.522
 \end{array}$$

G1102 NE of S. 4

$$\begin{array}{r}
 98.93 \\
 1.38 \text{ meters} \times 3.3 = 4.554 \\
 \hline
 94.376
 \end{array}$$



- LEGEND
- S.B. - STORAGE BUILDINGS
 - ⊕ - MONITORING WELL
G101
 - - TEST PIT
TP6

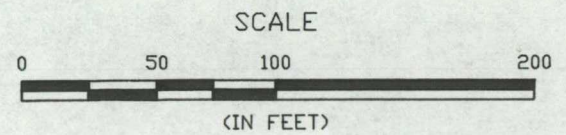


FIGURE ?

TEST PIT LOCATION
PIERCE WASTE OIL
SERVICE INC.
SPRINGFIELD, IL.

Map

PCB SOILS DATA
PIERCE WASTE OIL
SPRINGFIELD, ILLINOIS

SAMPLE#	DATE	PCB	RESULTS	MATRIX	LOCATION
			IN PPB		
TAT DATA					
S1	1-13-93	1260	160	SOIL	PARKING LOT BY OFFICE
S8	1-14-93	1260	1520	SOIL	BETWEEN SB1 & SB2
S9	1-14-93	1260	580	SOIL	NEAR GATE #3
S11	1-14-93	1260	3060	SOIL	BETWEEN DA1 & T84
S14	1-14-93	1260	5700	SOIL	NW END OF T83
S15	1-14-93	1260	1120	SOIL	1/2 BETWEEN PIPESTILLS & tank T77
ES01	3-11-92	1260	310	SOIL	GRASS AREA SE OF OFFICE
ES02	3-11-92	1260	1600	SOIL	SW OF DA 1
IEPA DATA					
G101	6-21-90	1016	54.9	WATER	MONITOR WELL G101
		1260	87.6		
X101	6-21-90	1260	4560	SOIL	N OF GATE 3
X102	6-21-90	1260	1100	SOIL	E END OF GATE 4
X103	6-21-90	1260	1600	SOIL	SE CORNER OF SITE
X105	6-21-90	1016	17880	SOIL	MIDDLE OF DA 1
		1260	1570		
X106	6-21-90	1016	22550	SOIL	SE OF X105
		1260	2220J		
X107	6-21-90	1254	1630	SOIL	NEAR GATE 5
X108	6-21-90	1254	1160	SOIL	S END OF T47
X203	6-21-90	1260	390J	SOIL	NEAR T40

SEE ATTACHED MAP

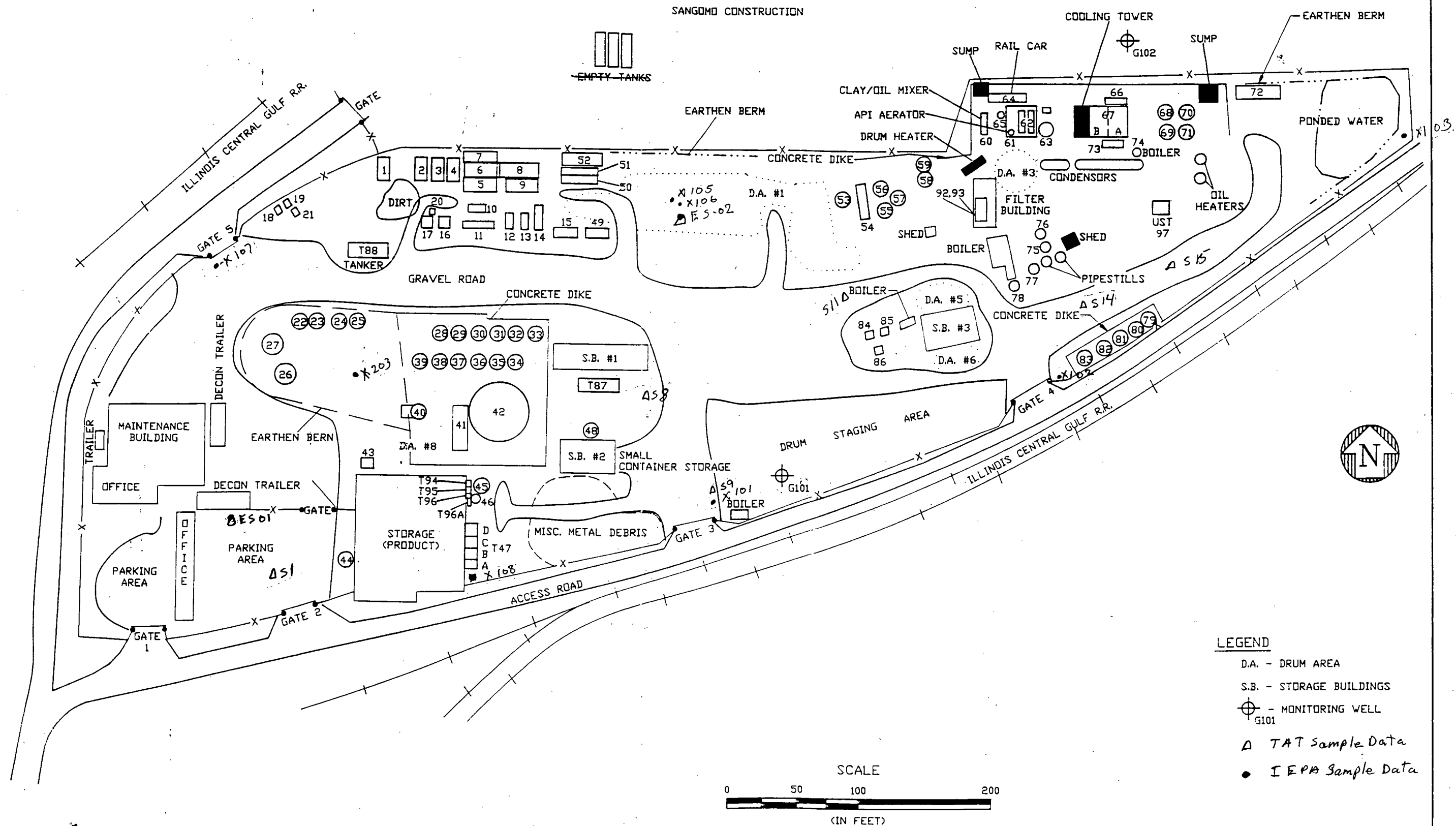
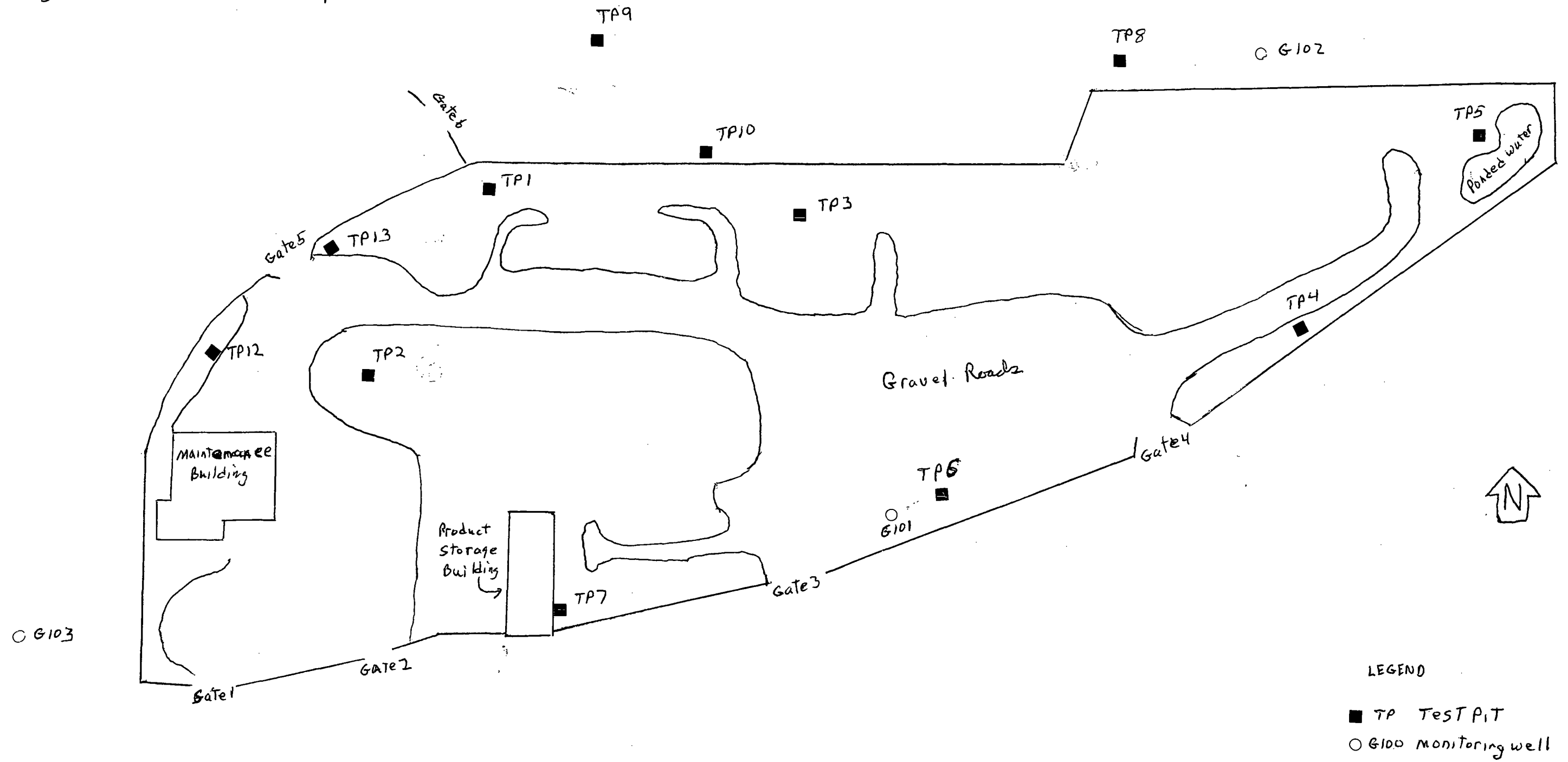


FIGURE 2

SITE FEATURES MAP
PIERCE WASTE OIL
SERVICE INC.
SPRINGFIELD, IL.

Pierce Waste Oil Test Pit Location Map



See
Fig 2B

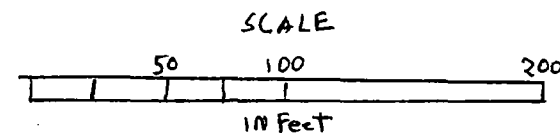
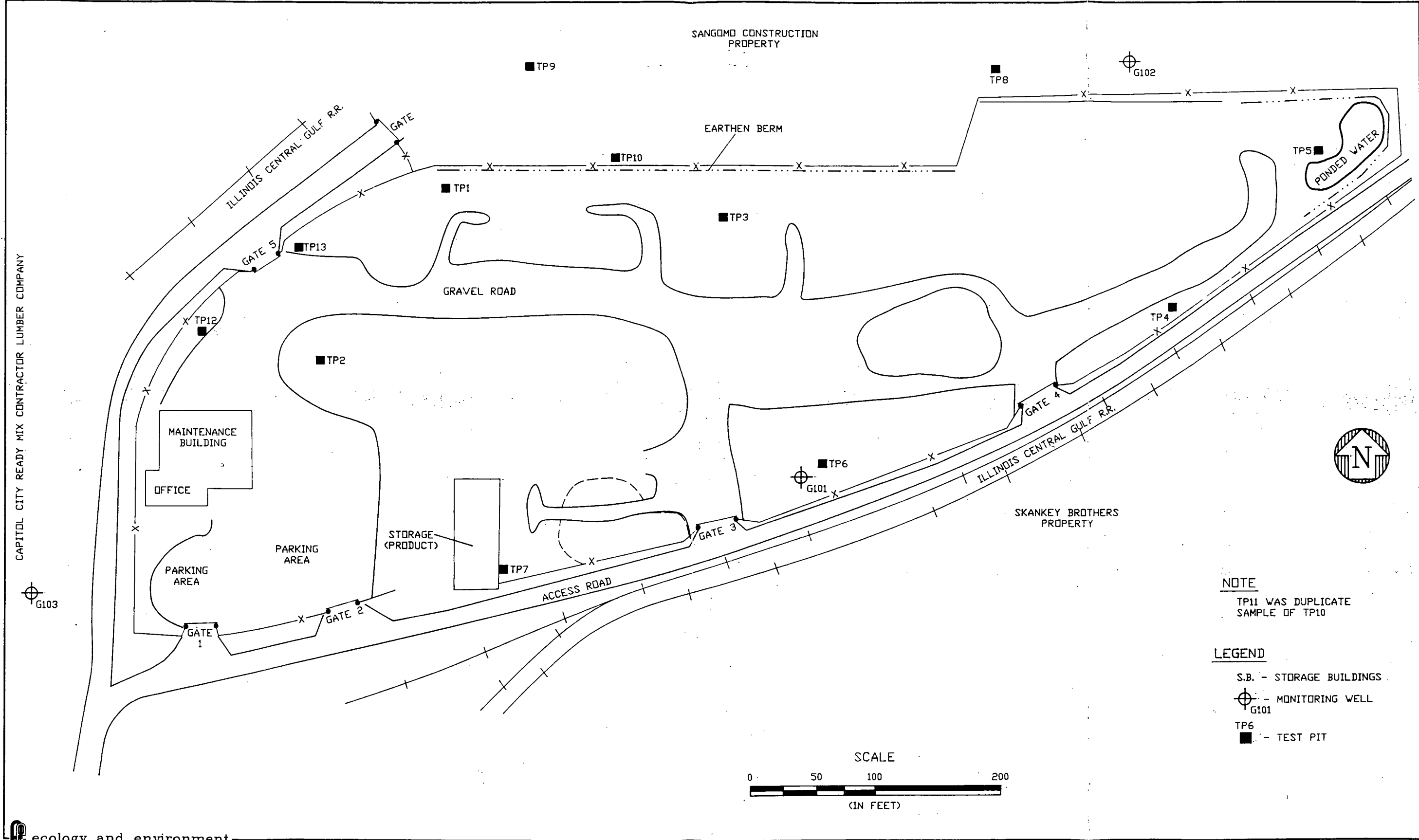


FIG 4

6-23-93



NOTE
TP11 WAS DUPLICATE
SAMPLE OF TP10

- LEGEND**
- S.B. - STORAGE BUILDINGS
 - G101 - MONITORING WELL
 - TP6 - TEST PIT

FIGURE 2
SITE FEATURES AND
TEST PIT LOCATION MAP
PIERCE WASTE OIL
SERVICE, INC.
SPRINGFIELD, IL.